Math 212 Quiz 13

W 21 Sep 2016

Your name:	

Exercise

- (2 pt) Let $f: I\!\!R^n \to I\!\!R$ and $\mathfrak{u}, \nu: I\!\!R \to I\!\!R$ be differentiable functions.
 - (a) (1 pt) Let n=1. Use the chain rule to write $\frac{d}{dt}f(u(t)).$ Hint: Single-variable calculus.
 - (b) (1 pt) Let n=2. Use the chain rule to write $\frac{d}{dt}f(u(t),v(t))$. Hint: If you don't know what the answer is, try to reason what it "should" be.